

**d. Remarks**

**AMENDMENTS**

The amendment to claim 8 is, e.g., supported by old claim 9; page 12, line 32; and Fig. 16.

The amendment to claim 9 is, e.g., supported at page 12, line 32.

New claim 13 is, e.g., supported by Fig. 16.

New claim 14 is, e.g., supported at page 13, lines 24 – 26.

New claim 15 is, e.g., supported at page 8, lines 12 – 28; and Fig. 9.

**NOVELTY REJECTIONS**

**At page 4, the Office Action rejects claims 8 - 12 as anticipated by Imai (i.e., U.S. Patent 5,506,427).**

Amended claim 8 recites that

“either the dielectric sidewall has a thickness of 500 to 1500 angstroms or part of the extrinsic portion of the base layer is located between the substrate and an extrinsic portion of the top one of the layers.”

The above limitation is not taught by Imai’s Figures 1A – 1H. Though Imai’s Figure 1H shows sidewall (34), Imai does not teach that the thickness of sidewall (34) is 500 to 1500 angstroms. Also, though Imai’s Figure 1H shows an emitter layer 38, the emitter 38 does not have an extrinsic portion. Thus, Imai’s Figure 1H does not teach that part of the extrinsic portion of the base layer is located between the substrate and an extrinsic portion of the top one of the semiconductor layers. In the absence of a prior art teaching for either of these features, amended claim 8 is novel.

Claims 9 – 15 are novel, at least, by their dependence on amended claim 8.

**NO FEE REQUIRED**

In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 12-2325** as required to correct the error.

Respectfully,

John F. McCabe, Attorney Reg. No. 42854  
Tel: 908-582-6866.

Date: April 18, 2005  
Docket Administrator (Room 3J-219)  
Lucent Technologies Inc.  
101 Crawfords Corner Road  
Holmdel, NJ 07733-3030